References

(1)GRABOWSKA H., et,al. (1989). Synthesis of 2,6=Xylenol by Alkylation of Phenolwith Methanol *Applied Catalysis,* 47 , 351-355

(2) Jeffery F. K. et,al.(1989) Phenol alkylation process US 4870216 A

(3)VENKATRAO V. et,al. (1989) Selective Alkylation of Phenol to 2,6-Xylenol overVanadia-Chromia Mixed Oxide Catalysts *Applied* Catalysis, 49, 165-174

(4)SANTACESARIA E. et,al, (1990) Applied Catalysis, 64 ,101-117Elsevier Science Publishers B.V., Amsterdam - Printed in The Netherlands

(5) Bautista F.Ik,et,al. (1993) Anion treatment (F- or SO:-) of AlPO,-Al,O, (25 wt.-% A1203) catalysts. IV. Catalytic performance in the alkylation of phenol with methanol *Applied Catalysis A: General, 99* , 161-173

(6)Fey-long W. et,al.(1995) Catalytic synthesis of 2,6_dimethylphenol form methanol and cyclohexanol over magnesium oxide supported chromium catalysts Applied Catalysis A: General 126 , L229-L233

(7) Velu S. et,al.(1996) Alkylation of phenol with 1-propanol and 2-propanol over catalysts derived from hydrotalcite-like anionic clays Catalysis Letters 40 , 265-272

(8)Garcia L. et,al (1996) Phenol alkylation with methanol Catalysis Letters 37 (1996) 121-123

(9)MARCZEWSKI M. et,at.(1989) Alkylation of Aromatics part I. Reaction Network of The Alkylation Ofphenol By Methanol on Ushy Zeolit Journal of Catalyst, 50, 211 – 21 Warsaw Technical University (Politechnika), Institute of Organic Technology,

(10) Chul Lee S. et,al.(1998). O-alkylation of phenol derivatives over basic zeolites Catalysis Today 44 , 253±258

(11)Fey-long W.et,al.(1998) Catalytic synthesis of 2,6-dimethylphenol from methanol and KA-oil over magnesium oxide catalysts Catalysis Today 44 , 259±269

(12) VELU S.,et,al.(1998) ALKYLATION OF m-CRESOL WITH METHANOL AND 2-PROPANOL OVER CALCINED MAGNESIUM ALUMINIUM HYDROTALCITES *Res. on Chem. lntermed.,* Vol. 24, No. 6, pp. 657-666.

(13)Satoshi S.,et,al.(1999) Ortho-Selective Alkylation of Phenol with 1-Propanol Catalyzed by CeO2–MgO Journal of Catalysis 184, 180–188 (1999)

(14) Satoshi S et,al. (1999) Ortho-Selective Alkylation of Phenol with 1-Propanol Catalyzed by CeO2–MgO Journal of Catalysis 184, 180–188

(15)Edburga L. K.(1999) et,al. Bioavailability of the antioxidative thyme compounds thymol and p-cymene-2,3-diol in eggs Eur Food Res Technol 209 :140–144

(16)Nedyalka V. Y.(1999) et,al. Food Chemistry 64 , 59-66

(17)Milos M. et,al.(2000) Chemical composition and antioxidant e€ect of glycosidically bound volatile compounds from oregano.Food Chemistry 71 , 79±83.

(18) Sreekumar K.,et,al.(2000). Selective *N*-methylation of aniline with dimethyl carbonate over Zn Co Fe O _*x*s0, 0.2, 0.5, 0.8 and 1.0/ 1y*x x* 2 4 type systems Journal of Molecular Catalysis A: Chemical 159 ,. 327–334.

(19)Sakthivel A. et,al.(2001). Vapour phase tertiary butylation of phenol over sulfated zirconia Catalyst *Catalysis Letters Vol. 72, No. 3-4, 2001*

(20)Grabowska H. et,al.(2001) A method for obtaining thymol by gas phase catalytic alkylation of *m*-cresol over zinc aluminate spinel Applied Catalysis A: General 220 , 207–213

(21)GRABOWSKA H. et,al.(2001) C-alkylation of *m*-cresol with *n*- and *iso*-propanol over iron catalyst. *Res. Chem. Intermed.*, Vol. 27, No. 3, pp. 281–285.

(22) Umamaheswari V.,et,al.(2002) Isopropylation of*m*-Cresol over Mesoporous Al–MCM-41 Molecular Sieves.Journal of Catalysis 210, 367–374.

(23)Padmasri A.H.,et,al.(2002). Calcined Mg–Al, Mg–Cr and Zn–Al hydrotalcite catalysts for*tert*-butylation of phenol with *iso*-butanol—a comparative study Journal of Molecular Catalysis A: Chemical 188, 255–265

(24)Yadav G. D.,et,al.(2002). Alkylation of phenol with methyl-*tert*-butyl ether and *tert*-butanol over solid acids: efficacies of clay-based catalystsApplied Catalysis A: General 236 , 129–147

(25) Radhe Shyam A. et,al(2002). Vapour phase methylation of pyridine with methanol over theZn1 2 *x*Mn*x*Fe2O4 (*x* = 0, 0.25, 0.50, 0.75 and 1) ferrite system. *Received 29th July 2002 First published as an Advance Article on the web 22nd October 2002*

(26)Sreekumar K.,et,al.(2002) A comparison on the catalytic activity of Zn1−*x*Co*x*Fe2O4 (*x* = 0, 0.2, 0.5, 0.8 and 1.0)-type ferrospinels prepared via. a low temperature route for the alkylation of aniline and phenol using methanol as the alkylating agent Applied Catalysis A: General 230 , 245–251

(27)Sreekumar K.,et,al.(2002) Ferrospinels based on Co and Ni prepared via a low temperature route as efficient catalysts for the selective synthesis of *o*-cresol and 2,6-xylenol from phenol and methanol Journal of Molecular Catalysis A: Chemical 185 , 259–268

(28)Radhe Shyam A. et,al.(2002). Vapour phase methylation of pyridine with methanol over theZn1 2 *x*Mn*x*Fe2O4 (*x* = 0, 0.25, 0.50, 0.75 and 1) ferrite system *First published as an Advance Article on the web 22nd October 2002*

(29)Grabowska H. et,al.(2003) A search for reason for deactivation of alkylation iron catalyst.Applied Catalysis A: General 240 , lll-117

(30)Grabowska H. et,al.(2004) Vapour phase alkylation of ortho-, meta- and para-cresols with isopropyl alcohol in the presence of sol–gel prepared alumina catalyst
Applied Catalysis A: General 277, 91–97

(31)Jyh-Harng K. et,al.(2004) Ortho Alkylation of phenol with Methanol Using Pb-Cr Promoted Magnesium oxide catalyst, Journal of the Chinese Chemical Society, 2004, 51,

(32)Grabowska H.et,al.(2004) Transformation of anisole over ZnAl2O4 and Fe2O3/ZnAl2O4 catalysts.Applied Catalysis A: General 265 , 221–227 1407-1410.

(33) Pollard M.M. et,al.(2008) Light-Driven Rotary Molecular Motors on Gold Nanoparticles. DOI: 10.1002/chem.200800814 Chemistry: A European Journal

(34)Singh P.,et,al.(2009) Organic functionalisation and characterization of single-walled carbon nano-tubes. First published as an Advance Article on the web 22nd June 2009, DOI: 10.1039/b518111a

(35)Komandur V.R.C.,et,al.(2009) The effect of zirconia polymorphs on the structure and catalytic properties of V2O5/ZrO2 catalysts. Catalysis Today 141 (2009) 187–194

(36)Yadav G. D.,et,al.(2011) Green alkylation of anisole with cyclohexene over 20% cesium modified heteropoly acid on K-10 acidic montmorillonite clay. Applied Clay Science 53 (2011) 254–262

(37)Yari M.,et,al.(2011) Zinc Nanoparticles as Efficient Catalyst for the Transesterification of –Ketoesters. J. Sci. I. A. U (JSIAU), Vol 21, No. 80, Summer 2011 93

(38)Adam Farook,et,al.(2012) The utilization of rice husk silica as a catalyst: Review and recent progress. Catalysis Today 190 (2012) 2– 14

(39)Katsuhiko A.,et,al.(2012). Nanoarchitectonics for Mesoporous Materials Bull. Chem. Soc. Jpn. Vol. 85, No. 1, 132.

(40)Hajipour A.R.,et,al. (2014). Zirconium phosphate nanoparticles as a remarkable solid acid catalyst for selective solvent-free alkylation of phenol Chinese Journal of Catalysis 35, 1136–1147

(41)Joseph S.et,al.(2014) Synthesis of Silver Nanoparticles by Microwave irradiation and investigation of their Catalytic activity, Research Journal of Recent Sciences Vol. 3(ISC-2013), 185-191 (2014,) ISSN 2277-2502